

## Instructions for Using the Plan Review Crosswalk for Review of Local Mitigation Plans

Attached is a Plan Review Crosswalk based on the **Multi-Hazard Mitigation Planning Guidance Under the Disaster Mitigation Act of 2000**, published by FEMA, dated March 2004. This Plan Review Crosswalk is consistent with **44 CFR Part 201 – Mitigation Planning, Interim Final Rule** (the Rule), in accordance with the **Stafford Act** (42 U.S.C. 5165), and **44 CFR Part 78.5 – Flood Mitigation Plan Development**, in accordance with the **National Flood Insurance Act of 1968** (42 U.S.C. 4104c et seq).

**SCORING SYSTEM**

**N – Needs Improvement:** The plan does not meet the minimum for the requirement. Reviewer's comments must be provided.

**S – Satisfactory:** The plan meets the minimum for the requirement. Reviewer's comments are encouraged, but not required.

Each requirement includes separate elements. All elements of a requirement must be rated "Satisfactory" in order for the requirement to be fulfilled and receive a summary score of "Satisfactory." A "Needs Improvement" score on elements shaded in gray (recommended but not required) will not preclude the plan from passing.

When reviewing single jurisdiction plans, reviewers may want to put an N/A in the boxes for multi-jurisdictional plan requirements. When reviewing multi-jurisdictional plans, reviewers may want to put an N/A in the prerequisite box for single jurisdiction plans.

States that have additional requirements can add them in the appropriate sections of the *Multi-Hazard Mitigation Planning Guidance* or create a new section and modify this Plan Review Crosswalk to record the score for those requirements.

Optional matrices for assisting in the review of sections on profiling hazards, assessing vulnerability, and identifying and analyzing mitigation actions are found at the end of the Plan Review Crosswalk.

The example below illustrates how to fill in the Plan Review Crosswalk.

**Example**

Assessing Vulnerability: Overview

- **Multihazard Requirement §201.6(c)(2)(ii):** *[The risk assessment shall include a] description of the jurisdiction's vulnerability to the hazards described in paragraph (c)(2)(i) of this section. This description shall include an overall summary of each hazard and its impact on the community.*
- **FMA Requirement §78.5(b):** *Description of the existing flood hazard and identification of the flood risk, ....., and the extent of flood depth and damage potential.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE			
			Stafford		FMA	
			N	S	N	S
A. Does the plan include an <b>overall summary</b> description of the jurisdiction's <b>vulnerability</b> to each hazard?	Section II, pp. 4-10	The plan describes the types of assets that are located within geographically defined hazard areas as well as those that would be affected by winter storms.		✓		✓
B. Does the plan address the <b>impact</b> of each hazard on the jurisdiction?	Section II, pp. 10-20	The plan does not address the impact of one of the five hazards addressed in the plan. <b>Required Revisions:</b> <ul style="list-style-type: none"><li>• Include a description of the impact of earthquakes on the assets.</li></ul> <b>Recommended Revisions:</b> <ul style="list-style-type: none"><li>• This information can be presented in terms of dollar value or percentages of damage.</li></ul>	✓			✓
SUMMARY SCORE			✓			✓

Jurisdiction: **DAWSON COUNTY, MONTANA**

## Local Mitigation Plan Review and Approval Status

Jurisdiction: <b>Dawson County</b>	Title of Plan: Dawson County CWPP/PDM Plan	Date of Plan: December 2005
Local Point of Contact: Helen Conradsen	Address:  Dawson County Courthouse 207 West Bell Street Glendive, MT 59337	
Title: Dawson County Disaster & Emergency Services Coordinator		
Agency: Dawson County		
Phone Number: 406-377-2566	E-Mail: <a href="mailto:dawcodes@midrivers.com">dawcodes@midrivers.com</a>	

State Reviewer: Kent Atwood	Title: SHMO	Date: July 7, 2006
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FEMA Reviewer: Jennifer Fee Diana Heyder Wade Nofziger	Title: Planner Mitigation Specialist Mitigation Specialist	Date: August 20, 2006 September 22, 2006 September 29, 2006
Date Received in FEMA Region VIII	July 13, 2006	
Plan Not Approved		
Plan Approved	XXX	
Date Approved	November 15, 2006	

Jurisdiction:	NFIP Status*			
	Y	N	N/A	CRS Class
1. <b>Dawson County</b> (Good Standing, mapped 05/01/99)	X			
2. <b>City of Glendive</b> (Good Standing, mapped 07/02/80)	X			
3. <b>Town of Richey</b> (Never mapped)		X		
5. [ATTACH PAGE(S) WITH ADDITIONAL JURISDICTIONS]				

\* Notes:

Y = Participating

N = Not Participating

N/A = Not Mapped

LOCAL MITIGATION PLAN REVIEW SUMMARY

The plan cannot be approved if the plan has not been formally adopted.

Each requirement includes separate elements. All elements of the requirement must be rated "Satisfactory" in order for the requirement to be fulfilled and receive a score of "Satisfactory." Elements of each requirement are listed on the following pages of the Plan Review Crosswalk. A "Needs Improvement" score on elements shaded in gray (recommended but not required) will not preclude the plan from passing. Reviewer's comments must be provided for requirements receiving a "Needs Improvement" score.

SCORING SYSTEM

Please check one of the following for each requirement.

**N – Needs Improvement:** The plan does not meet the minimum for the requirement.

Reviewer's comments must be provided.

**S – Satisfactory:** The plan meets the minimum for the requirement. Reviewer's comments are encouraged, but not required.

Prerequisite(s) (Check Applicable Box)

Adoption by the Local Governing Body:  
§201.6(c)(5) and §78.5(f)

OR

Multi-Jurisdictional Plan Adoption: §201.6(c)(5)  
and and §78.5(f) **AND**

Multi-Jurisdictional Planning Participation:  
§201.6(a)(3) and and §78.5(a)

Planning Process

Documentation of the Planning Process:  
§201.6(b) and §201.6(c)(1) and §78.5(a)

Risk Assessment

Identifying Hazards: §201.6(c)(2)(i) and §78.5(b)

Profiling Hazards: §201.6(c)(2)(i) and §78.5(b)

Assessing Vulnerability: Overview:  
§201.6(c)(2)(ii) and §78.5(b)

Assessing Vulnerability: Identifying Structures:  
§201.6(c)(2)(ii)(A) and §78.5(b)

Assessing Vulnerability: Estimating Potential  
Losses: §201.6(c)(2)(ii)(B)

Assessing Vulnerability: Analyzing Development  
Trends: §201.6(c)(2)(ii)(C)

Multi-Jurisdictional Risk Assessment:  
§201.6(c)(2)(iii) and FEMA 299

STAFFORD		FMA	
NOT MET	MET	NOT MET	MET
	N/A		N/A

	X		X
	X		X

N	S	N	S
	X		X

N	S	N	S
	X		X
	X		X
	X		X
X			X
X		X	
X		X	
	X		X

Mitigation Strategy

Local Hazard Mitigation Goals: §201.6(c)(3)(i) and §78.5(c)

Identification and Analysis of Mitigation Actions:  
§201.6(c)(3)(ii) and §78.5(d)

Implementation of Mitigation Actions:  
§201.6(c)(3)(iii) and §78.5(d) and (e)

Multi-Jurisdictional Mitigation Actions:  
§201.6(c)(3)(iv) and FEMA 299

STAFFORD		FMA	
N	S	N	S
	X		X
	X		X
	X		X
	X		X

Plan Maintenance Process

Monitoring, Evaluating, and Updating the Plan:  
§201.6(c)(4)(i) and §78.5(e)

Incorporation into Existing Planning Mechanisms:  
§201.6(c)(4)(ii)

Continued Public Involvement: §201.6(c)(4)(iii)

STAFFORD		FMA	
N	S	N	S
	X		X
	X		X
	X		X


LOCAL MITIGATION PLAN APPROVAL STATUS

PLAN NOT APPROVED

PLAN APPROVED

STAFFORD	FMA
XXX	XXX

\*States that have additional requirements can add them in the appropriate sections of the *Multi-Hazard Mitigation Planning Guidance* or create a new section and modify this Plan Review Crosswalk to record the score for those requirements.

See Reviewer's Comments

## PREREQUISITE(S)

## Adoption by the Local Governing Body

- **Multihazard Requirement §201.6(c)(5):** *[The local hazard mitigation plan **shall** include] documentation that the plan has been formally adopted by the governing body of the jurisdiction requesting approval of the plan (e.g., City Council, County Commissioner, Tribal Council).*
- **FMA Requirement §78.5(f):** *Documentation of formal plan adoption by the legal entity submitting the plan (e.g., Governor, Mayor, County Executive).*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE			
			STAFFORD		FMA	
			NOT MET	MET	NOT MET	MET
A. Has the local governing body adopted the plan?	N/A					
B. Is supporting documentation, such as a resolution, included?	N/A					
SUMMARY SCORE				N/A		N/A

## Multi-Jurisdictional Plan Adoption

- **Multihazard Requirement §201.6(c)(5):** *For multi-jurisdictional plans, each jurisdiction requesting approval of the plan **must** document that it has been formally adopted.*
- **FMA Requirement §78.5(f):** *Documentation of formal plan adoption by the legal entity submitting the plan (e.g., Governor, Mayor, County Executive).*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE			
			STAFFORD		FMA	
			NOT MET	MET	NOT MET	MET
A. Does the plan indicate the specific jurisdictions represented in the plan?	vi	Dawson County, the town of Richey, and the city of Glendive are represented in the plan.		S		S
B. For each jurisdiction, has the local governing body adopted the plan?	iv-v	Each jurisdiction adopted the plan.		S		S
C. Is supporting documentation, such as a resolution, included for each participating jurisdiction?	iv-v	There is a signed resolution for each jurisdiction.		S		S
SUMMARY SCORE				S		S

## Multi-Jurisdictional Planning Participation

- **Multihazard Requirement §201.6(a)(3):** *Multi-jurisdictional plans (e.g., watershed plans) may be accepted, as appropriate, as long as each jurisdiction has participated in the process ... Statewide plans will not be accepted as multi-jurisdictional plans.*
- **FMA Requirement §78.5(a):** *Description of the planning process and public involvement. Public involvement **may** include workshops, public meetings, or public hearings.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE			
			STAFFORD		FMA	
			NOT MET	MET	NOT MET	MET
A. Does the plan describe <b>how</b> each jurisdiction participated in the plan's development?	Page 1-2 II-2-II-5, II-11-II-24	The plan discusses that the participating jurisdictions participated in the plans development through the steering committee. Meeting summaries and sign in sheets are provided. A list of Steering Committee members is also provided.		S		S
SUMMARY SCORE				S		S

## PLANNING PROCESS:

## Documentation of the Planning Process

- **Multihazard Requirement §201.6(b):** *An open public involvement process is essential to the development of an effective plan. In order to develop a more comprehensive approach to reducing the effects of natural disasters, the planning process **shall** include:*
  - (1) *An opportunity for the public to comment on the plan during the drafting stage and prior to plan approval;*
  - (2) *An opportunity for neighboring communities, local and regional agencies involved in hazard mitigation activities, and agencies that have the authority to regulate development, as well as businesses, academia and other private and non-profit interests to be involved in the planning process; and*
  - (3) *Review and incorporation, if appropriate, of existing plans, studies, reports, and technical information.*
- **Multihazard Requirement §201.6(c)(1):** *[The plan **shall** document] the planning process used to develop the plan, including how it was prepared, who was involved in the process, and how the public was involved.*
- **FMA Requirement §78.5(a):** *Description of the planning process and public involvement. Public involvement **may** include workshops, public meetings, or public hearings.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE			
			STAFFORD		FMA	
			N	S	N	S
A. Does the plan provide a narrative description of the process followed to prepare the plan?	1-2, Section II	A narrative description of the planning process is well documented and includes meeting summaries, sign-in sheets, news articles and correspondence..		S		S

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE			
			STAFFORD		FMA	
			N	S	N	S
B. Does the plan indicate who was involved in the planning process? (For example, who led the development at the staff level and were there any external contributors such as contractors? Who participated on the plan committee, provided information, reviewed drafts, etc.?)	Page 1-2, II-2-II-4, II-25-35, III-1	The plan indicates that several groups and people were involved in the planning process. The contractor, County, all three jurisdictions, and the Steering Committee all contributed to the plan.		S		S
C. Does the plan indicate how the public was involved? (Was the public provided an opportunity to comment on the plan during the drafting stage and prior to the plan approval?)	II-1-II-5	The plan describes how the public was involved in great detail on pages II-1-II-5. Three steering committee meetings were held, which were open to the public. Each meeting was noticed in the Ranger review with one or more articles and photographs.		S		S
D. Was there an opportunity for neighboring communities, agencies, businesses, academia, nonprofits, and other interested parties to be involved in the planning process?	II-1-II-40	Three meetings were held that were open to the public and to neighboring communities and other interested parties. News releases were provided to local newspapers, which explained the purpose of the meetings, schedule, topics and contact information. Following each meeting an article describing the meeting was posted in the local newspaper. <b>Note: A "Needs Improvement" score on this requirement will not preclude the FMA plan from passing.</b>		S		S
E. Does the planning process describe the review and incorporation, if appropriate, of existing plans, studies, reports, and technical information?	III-1	The plan does a good job of including references throughout the document. Page III-1 describes that numerous state and federal data bases were searched. In addition, several plans were reviewed, including: the Montana MHMP, the Drought Response Plan, and the USDA Soil Survey of Dawson County. <b>Note: A "Needs Improvement" score on this requirement will not preclude the FMA plan from passing.</b>		S		S
SUMMARY SCORE				S		S

**RISK ASSESSMENT:** §201.6(c)(2): *The plan shall include a risk assessment that provides the factual basis for activities proposed in the strategy to reduce losses from identified hazards. Local risk assessments must provide sufficient information to enable the jurisdiction to identify and prioritize appropriate mitigation actions to reduce losses from identified hazards.*

## Identifying Hazards

- **Multihazard Requirement §201.6(c)(2)(i):** [The risk assessment **shall** include a] description of the type ... of all natural hazards that can affect the jurisdiction.
- **FMA Requirement §78.5(b):** Description of the existing flood hazard and identification of the flood risk, including estimates of the number and type of structures at risk, repetitive loss properties, and the extent of flood depth and damage potential

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE			
			STAFFORD		FMA	
			N	S	N	S
A. Does the plan include a <b>description</b> of the types of <b>all natural hazards</b> that affect the jurisdiction?  If the hazard identification omits (without explanation) any hazards commonly recognized as threats to the jurisdiction, this part of the plan cannot receive a Satisfactory score.  Consult with the State Hazard Mitigation Officer to identify applicable hazards that may occur in the planning area.	Chapter III CWPP-Chapter V	<p>Each hazard profile provides a description of the hazard potentially impacting the county and can in chapter III.</p> <p>The plan includes information for all identified hazards and in most cases the data used are more extensive than that found from readily available on-line resources. Refer to SHELDUS (<a href="http://www.sheldus.org">www.sheldus.org</a>) for additional information.</p> <p>Dawson County does not appear to have a Flood Insurance Study. Refer to <a href="http://msc.fema.gov/">http://msc.fema.gov/</a> for more information. Although the plan states on page III-7 that a flood insurance study was conducted in 1980.</p> <p>The National Inventory of Dams appears to indicate that there are several low hazard dams in Dawson and no high hazard dams. The National Dam Safety Act requires that an emergency action plan (EAP) be completed for high hazard dams. Please see <a href="http://crunch.tec.army.mil/nid/webpages/nid.cfm">http://crunch.tec.army.mil/nid/webpages/nid.cfm</a> (introduction and download dam data) for National Dam Inventory information.</p> <p>Online EPA data suggests that there are no toxic release inventory sites in Dawson County. Please see <a href="http://www.epa.gov/triexplorer/">http://www.epa.gov/triexplorer/</a> for more information.</p>		S		S
SUMMARY SCORE				S		S

## Profiling Hazards

- **Multihazard Requirement §201.6(c)(2)(i):** *[The risk assessment shall include a] description of the ... location and extent of all natural hazards that can affect the jurisdiction. The plan shall include information on previous occurrences of hazard events and on the probability of future hazard events.*
- **FMA Requirement §78.5(b):** *Description of the existing flood hazard and identification of the flood risk, ....., and the extent of flood depth and damage potential.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE			
			STAFFORD		FMA	
			N	S	N	S
A. Does the risk assessment identify the <b>location</b> (i.e., geographic area affected) of each natural hazard addressed in the plan?	III-4-III-18 CWPP V-4-V-6	The plan describes the geographical area of all identified hazards in great detail and can be found in the hazard profiles. Several of the hazards include a map, which depict the hazards location.		S		S
B. Does the risk assessment identify the <b>extent</b> (i.e., magnitude or severity) of each hazard addressed in the plan?	III-4-III-18 CWPP V-4-V-6	The magnitude of past events is highlighted in the identified hazard historical occurrences and the vulnerability section. The plan also includes potential loss estimates for all identified hazards.		S		S
C. Does the plan provide information on <b>previous occurrences</b> of each hazard addressed in the plan?	III-4-III-18 CWPP V-4-V-6	<p>Previous occurrences of each type of hazard are addressed in the hazard profiles. Some of the identified hazards include tables, which list location nature of occurrence, damage estimate, loss/damage.</p> <p><b>Recommended Revisions for the Five Year Update:</b></p> <p>It may be helpful to develop a table that lists location of hazard, date, time, magnitude, death, injuries, property damage and crop damage in addition to the narrative description. To ensure consistency, the criteria identified i.e. location; damage estimate etc. should be the same for all tables.</p>		S		S



Jurisdiction: **DAWSON COUNTY, MONTANA**

D. Does the plan include the <b>probability of future events</b> (i.e., chance of occurrence) for each hazard addressed in the plan?	III-4-III-18 CWPP 5-8-5-11	<b>Marginally Met</b> The probability of future events was very difficult to locate within each hazard profile under the Vulnerability and Potential Loss Estimate.  <b>Recommended Revisions for the Five Year Update:</b>  In the next revision, this must be more clearly defined. It could easily be addressed by including a separate header for this element.		S		S
SUMMARY SCORE				S		S

## Assessing Vulnerability: Overview

- **Multihazard Requirement §201.6(c)(2)(ii):** *[The risk assessment **shall** include a] description of the jurisdiction's vulnerability to the hazards described in paragraph (c)(2)(i) of this section. This description **shall** include an overall summary of each hazard and its impact on the community.*
- **FMA Requirement §78.5(b):** *Description of the existing flood hazard and identification of the flood risk, ..., and the extent of flood depth and damage potential.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE			
			STAFFORD		FMA	
			N	S	N	S
A. Does the plan include an <b>overall summary</b> description of the jurisdiction's <b>vulnerability</b> to each hazard?	III-4-III-24 CWPP V-7-V-10, V-13-V-19	The plan does a great job at discussing vulnerability. Each identified hazard has a Vulnerability and Potential Loss section that discusses direct and indirect effects and potential losses. In addition, the plan includes a section on Dawson County Vulnerability which addresses critical facilities and infrastructure, and vulnerable populations.		S		S
B. Does the plan address the <b>impact</b> of each hazard on the jurisdiction?	III-4-III-24	The hazard profiles identify past events and provide time periods and a general description of the event. The plan would be enhanced if all the tables found within the Historical Occurrences section included location, loss structures, injuries, deaths, and costs. Hazard impacts are also addressed in the Dawson County Vulnerability section.  <b>Recommended Revisions for the Five Year Update:</b>  Please include location, loss structures, injuries, deaths, and costs in the history section of the hazard profiles.		S		S
SUMMARY SCORE				S		S

## Assessing Vulnerability: Identifying Structures

- **Multihazard Requirement §201.6(c)(2)(ii)(A):** *The plan **should** describe vulnerability in terms of the types and numbers of existing and future buildings, infrastructure, and critical facilities located in the identified hazard area ... .*
- **FMA Requirement §78.5(b):** *Description of the existing flood hazard and identification of the flood risk, including **estimates of the number and type of structures at risk, repetitive loss properties,....***

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE			
			STAFFORD		FMA	
			N	S	N	S
A. Does the plan describe vulnerability in terms of the <b>types and numbers of existing</b> buildings ( <b>including repetitive loss structures</b> ), infrastructure, and critical facilities located in the identified hazard areas?	III-18-III-24	<p>The plan does a good job of discussing vulnerable structures within the Dawson County Vulnerability section, although most of the discussion within this section is not in relationship to identified hazards. To meet this requirement types and numbers of existing buildings must be described in relation to specific identified hazards.</p> <p><b>Recommended Revisions for the Five Year Update:</b> For all identified hazards specify the number of <b>existing</b> buildings, infrastructure, and critical facilities <b>within each hazard area</b>. Table 3.7 would be enhanced if a column was added which described the hazard that has the potential of impacting the structure. In addition, overlaying the critical facility figure with the hazards figures may be helpful.</p> <p><i>Note: A "Needs Improvement" score on this requirement will not preclude the Stafford plan from passing.</i></p>	N		N/A	
B. Does the plan describe vulnerability in terms of the <b>types and numbers of future</b> buildings, infrastructure, and critical facilities located in the identified hazard areas?	III-18-III-24	<p>The plan includes an excellent section on Land Use and Development Trends. Although this section discusses population decrease and future residential development, the discussion is in general terms and needs to be specific to identified hazards.</p> <p><b>Recommended Revisions for the Five Year Update:</b> For all identified hazards specify the number of <b>future</b> buildings, infrastructure, and critical facilities <b>within each hazard area</b>.</p> <p><i>Note: A "Needs Improvement" score on this requirement will not preclude the plan from passing.</i></p>	N		N	
SUMMARY SCORE			N		N/A	

## Assessing Vulnerability: Estimating Potential Losses

- **Multihazard Requirement §201.6(c)(2)(ii)(B):** *[The plan **should** describe vulnerability in terms of an] estimate of the potential dollar losses to vulnerable structures identified in paragraph (c)(2)(i)(A) of this section and a description of the methodology used to prepare the estimate ... .*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE			
			STAFFORD		FMA	
			N	S	N	S
A. Does the plan estimate <b>potential dollar losses</b> to vulnerable structures?	III-18-III-24 CWPP V-18-V-19	<p>The plan includes insured/replacement value for all identified critical facilities and infrastructure although they are not separated by identified hazard area. The CWPP does include potential dollar losses which are separated by hazard.</p> <p><b>Recommended Revisions:</b></p> <p>For all identified hazards specify the vulnerable structures <b>within each hazard area</b>.</p> <p><i>Note: A "Needs Improvement" score on this requirement will not preclude the plan from passing.</i></p>	N		N	
B. Does the plan describe the <b>methodology</b> used to prepare the estimate?	III-18-III-24 CWPP V-18	<p>The plan does not include the methodology used to prepare the estimate of replacement cost. The source cited under table 3.7 is "various facility managers".</p> <p>The CWPP does include the methodology used to prepare the potential dollar loss estimate stating, on page V-18 that a wild fire scenario was developed</p> <p><b>Recommended Revisions for the Five Year Update:</b></p> <p>Please include a discussion on how the estimates were derived. For example, are they based on property tax records, U.S census data, phone conversations, hazard scenarios, etc?</p> <p><i>Note: A "Needs Improvement" score on this requirement will not preclude the plan from passing.</i></p>	N		N	
SUMMARY SCORE			N		N	

## Assessing Vulnerability: Analyzing Development Trends

- **Multihazard Requirement §201.6(c)(2)(ii)(C):** *[The plan **should** describe vulnerability in terms of] providing a general description of land uses and development trends within the community so that mitigation options can be considered in future land use decisions.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE			
			STAFFORD		FMA	
			N	S	N	S
A. Does the plan describe land uses and development trends?	Page I-4-I-5 CWPP V-11	The plan provides an excellent section on Land Use and development trends on pages 1-4-1-7, although the discussion is not in relation to identified hazards.  <b>Recommended Revisions:</b>  Please describe land use development, where it is happening, and type of development, in relation to identified hazards, so mitigation options can be considered.  <i>Note: A "Needs Improvement" score on this requirement will not preclude the plan from passing.</i>	N		N	
SUMMARY SCORE			N		N	

## Multi-Jurisdictional Risk Assessment

- **Multihazard Requirement §201.6(c)(2)(iii):** *For multi-jurisdictional plans, the risk assessment **must** assess each jurisdiction's risks where they vary from the risks facing the entire planning area.*
- **FMA FEMA 299 Guidance:** *The Plan should be coordinated with, and ideally developed in cooperation with, all of the local jurisdictions within the geographical area.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE			
			STAFFORD		FMA	
			N	S	N	S
A. Does the plan include a risk assessment for each participating jurisdiction as needed to reflect unique or varied risks?	III-4-III-24 CWPP V-8-V-11	<p>The plan does include discussions, found within the hazard profiles, which discuss locations that the hazard will most likely affect. In addition, the majority of identified hazards include a map depicting the areas affected. The plan states that the majority of identified hazards are county wide. The CWPP does an excellent job of including a risk assessment for each participating jurisdiction and includes trends current situation and future development.</p> <p><b>Recommended Revisions for the Five Year Update:</b> The plan would be enhanced with a chart that itemizes the hazards and the communities.</p> <p><i>Note: A "Needs Improvement" score on this requirement will not preclude the FMA plan from passing.</i></p>		S		S
SUMMARY SCORE				S		S

**MITIGATION STRATEGY:** §201.6(c)(3): The plan shall include a mitigation strategy that provides the jurisdiction's blueprint for reducing the potential losses identified in the risk assessment, based on existing authorities, policies, programs and resources, and its ability to expand on and improve these existing tools.

Local Hazard Mitigation Goals

- **Multihazard Requirement §201.6(c)(3)(i):** *[The hazard mitigation strategy **shall** include a] description of mitigation goals to reduce or avoid long-term vulnerabilities to the identified hazards.*
- **FMA Requirement §78.5(c):** *The applicant's floodplain management goals for the area covered by the plan.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE			
			STAFFORD		FMA	
			N	S	N	S
A Does the plan include a description of mitigation <b>goals</b> to reduce or avoid long-term vulnerabilities to the identified hazards? ( <b>GOALS</b> are long-term; represent what the community wants to achieve, such as "eliminate flood damage"; and are based on the risk assessment findings.)	IV-1-IV4 CWPP V-24-V-26	Five goals are identified.		S		S
SUMMARY SCORE				S		S

#### Identification and Analysis of Mitigation Actions

- **Multihazard Requirement §201.6(c)(3)(ii):** *[The mitigation strategy **shall** include a] section that identifies and analyzes a comprehensive range of specific mitigation actions and projects being considered to reduce the effects of each hazard, with particular emphasis on new and existing buildings and infrastructure.*
- **FMA Requirement §78.5(d):** *Identification and evaluation of cost-effective and technically feasible mitigation actions considered.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE			
			STAFFORD		FMA	
			N	S	N	S
A. Does the plan identify and analyze a <b>comprehensive range</b> of specific mitigation actions and projects for each hazard?	IV-1-IV4 CWPP V-24-V-26	The plan identifies and analyzes a broad range of mitigation measures.		S		S
B Do the identified actions and projects address reducing the effects of hazards on <b>new</b> buildings and infrastructure?	IV-1-IV4 CWPP V-24-V-26	Although the population is declining and there is very limited new construction, the CWPP does include a project on new buildings, which is raise awareness of residents building new homes to consider defensible space, fire resistant materials, and ingress & egress.		S		S
C. Do actions & projects address reducing the effects of hazards on <b>existing</b> buildings and infrastructure?	IV-1-IV4 CWPP V-24-V-26	Several projects that address existing buildings and infrastructure are identified.		S		S
SUMMARY SCORE				S		S

## Implementation of Mitigation Actions

- **Multihazard Requirement: §201.6(c)(3)(iii):** *[The mitigation strategy section **shall** include] an action plan describing how the actions identified in section (c)(3)(ii) will be prioritized, implemented, and administered by the local jurisdiction. Prioritization **shall** include a special emphasis on the extent to which benefits are maximized according to a cost benefit review of the proposed projects and their associated costs.*
- **FMA Requirement §78.5(d):** *Identification and evaluation of cost-effective and technically feasible mitigation actions considered; and*
- **FMA Requirement §78.5(e):** *Presentation of the strategy for reducing flood risks and continued compliance with the NFIP, and procedures for ensuring implementation, reviewing progress, and recommending revisions to the plan.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE			
			STAFFORD		FMA	
			N	S	N	S
A. Does the mitigation strategy include how the actions are <b>prioritized</b> ? (For example, is there a discussion of the process and criteria used?)	IV-4 CWPP V-28	The plan provides a good discussion on the methodology used to prioritize the actions. It indicates that projects were ranked by high, medium, or low based on specific criteria including: number of lives at risk, value of property at risk, infrastructure at risk, risk of business interruptions, and cost/benefit of the project.  <i>Note: A "Needs Improvement" score on this requirement will not preclude the FMA plan from passing.</i>		S		S
B. Does the mitigation strategy address how the actions will be <b>implemented and administered</b> ? (For example, does it identify the responsible department, existing and potential resources, and timeframe?)	IV-5-IV-7 CWPP V-28-V-29	The plan indicates that the projects will be implemented as funds become available. Table 4.1 includes potential resources for each project.		S		S
B.1. Does the mitigation strategy address continued compliance with the NFIP?	IV-5-IV-7 CWPP V-28-V-29	See above.		S		S
C. Does the prioritization process include an emphasis on the use of a <b>cost-benefit review</b> (see page 3-36 of <i>Multi-Hazard Mitigation Planning Guidance</i> ) to maximize benefits?	IV-7-IV-9	The plan includes a discussion on putting an emphasis on benefits compared to costs. The table on page IV-8-IV-9 lists projects and provides a scale of low to high for benefits and costs.  <i>Note: A "Needs Improvement" score on this requirement will not preclude the FMA plan from passing.</i>		S		S
C.1. Does the mitigation strategy emphasize cost-effective and technically feasible mitigation actions?	IV-7-IV-9	See above. <i>Note: A "Needs Improvement" score on this requirement will not preclude the Stafford plan from passing.</i>		S		S
SUMMARY SCORE				S		S



## Multi-Jurisdictional Mitigation Actions

- **Multihazard Requirement §201.6(c)(3)(iv):** *For multi-jurisdictional plans, there **must** be identifiable action items specific to the jurisdiction requesting FEMA approval or credit of the plan.*
- **FMA FEMA 299 Guidance:** *The Plan should be coordinated with, and ideally developed in cooperation with, all of the local jurisdictions within the geographical area.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE			
			STAFFORD		FMA	
			N	S	N	S
A Does the plan include at least one identifiable <b>action item</b> for each jurisdiction requesting FEMA approval of the plan?	IV-5-IV-9	Each jurisdiction has at least one action item identified in the plan.		S		S
SUMMARY SCORE				S		S

## PLAN MAINTENANCE PROCESS

## Monitoring, Evaluating, and Updating the Plan

- **Multihazard Requirement §201.6(c)(4)(i):** *[The plan maintenance process **shall** include a] section describing the method and schedule of monitoring, evaluating, and updating the mitigation plan within a five-year cycle.*
- **FMA Requirement §78.5(e):** *Presentation of the strategy for reducing flood risks and continued compliance with the NFIP, and procedures for ensuring implementation, reviewing progress, and recommending revisions to the plan.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE			
			STAFFORD		FMA	
			N	S	N	S
A. Does the plan describe the method and schedule for <b>monitoring</b> the plan? (For example, does it identify the party responsible for monitoring and include a schedule for reports, site visits, phone calls, and meetings?)	VI-1	The Dawson County Commissioners will be responsible for ensuring that the CWPP/PDM plan is kept current and also evaluate its effectiveness. They designated the County Coordinator and the LEPC as the co-leads in accomplishing this on-going task.		S		S
B. Does the plan describe the method and schedule for <b>evaluating</b> the plan? (For example, does it identify the party responsible for evaluating the plan and include the criteria used to evaluate the plan?)	VI-1	A disaster, five years, or a change in state or federal regulation will trigger reviews. Additionally, four items are identified as criteria for evaluating the plan.		S		S
C. Does the plan describe the method and schedule for <b>updating</b> the plan within the five-year cycle?	VI-1-2	Beginning in 2010, the plan will be submitted to DES and FEMA for approval.		S		S
SUMMARY SCORE				S		S

## Incorporation into Existing Planning Mechanisms

- **Multihazard Requirement §201.6(c)(4)(ii):** *[The plan **shall** include a] process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE			
			STAFFORD		FMA	
			N	S	N	S
A. Does the plan identify other local planning mechanisms available for incorporating the requirements of the mitigation plan?	VI-1-2	The plan states, on page VI-2 that elements of the PDM will be incorporated into the Growth Policy once it is completed. The plan includes a matrix that shows other planning efforts. <b>Recommendation for the Five Year Update:</b> <b>Suggest that you develop the Growth Policy.</b> <b>Note: A "Needs Improvement" score on this requirement will not preclude the FMA plan from passing.</b>		S		S
B. Does the plan include a process by which the local government will incorporate the requirements in other plans, when appropriate?	VI-1-2	The plan states, on page VI-2 that the identified projects in the PDM will be incorporated into the Growth Policy. The County DES Coordinator will direct consideration of the CWPP/PDM plan during the preparation of the upcoming Interoperable Communication Strategy. A matrix indicates the method of incorporation of this plan into other planning efforts. <b>Note: A "Needs Improvement" score on this requirement will not preclude the FMA plan from passing.</b>		S		S
SUMMARY SCORE				S		S

## Continued Public Involvement

- **Multihazard Requirement §201.6(c)(4)(iii):** *[The plan maintenance process **shall** include a] discussion on how the community will continue public participation in the plan maintenance process.*

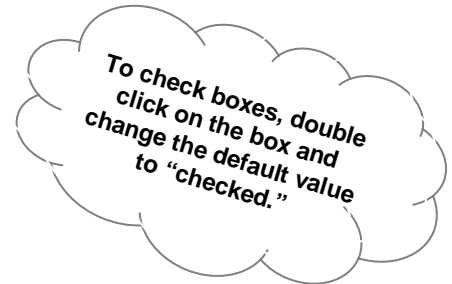
Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE			
			STAFFORD		FMA	
			N	S	N	S
A. Does the plan explain how <b>continued public participation</b> will be obtained? (For example, will there be public notices, an on-going mitigation plan committee, or annual review meetings with stakeholders?)	VI-1-2	The LEPC meeting will be held each January starting 2007 and will be announced in the local newspaper. The steering committee will be encouraged to attend. The plan also indicates that the DES will maintain a file to store comments or input on changes. <b>Note: A "Needs Improvement" score on this requirement will not preclude the FMA plan from passing.</b>		S		S
SUMMARY SCORE				S		S

**Matrix A: Profiling Hazards**

This matrix can assist FEMA and the State in scoring each hazard. Local jurisdictions may find the matrix useful to ensure that their plan addresses each natural hazard that can affect the jurisdiction. **Completing the matrix is not required.**

*Note: First, check which hazards are identified in requirement §201.6(c)(2)(i). Then, place a checkmark in either the N or S box for each **applicable** hazard. An "N" for any element of any identified hazard will result in a "Needs Improvement" score for this requirement. List the hazard and its related shortcoming in the comments section of the Plan Review Crosswalk.*

Hazard Type	Hazards Identified Per Requirement §201.6(c)(2)(i)	A. Location		B. Extent		C. Previous Occurrences		D. Probability of Future Events	
	Yes	N	S	N	S	N	S	N	S
Avalanche	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coastal Erosion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coastal Storm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dam Failure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Drought	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Earthquake	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Expansive Soils	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Extreme Heat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flood	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hailstorm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hurricane	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Land Subsidence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Landslide	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Severe Winter Storm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tornado	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tsunami	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Volcano	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wildfire	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Windstorm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Legend:**

§201.6(c)(2)(i) Profiling Hazards

- A. Does the risk assessment identify the location (i.e., geographic area affected) of each hazard addressed in the plan?
- B. Does the risk assessment identify the extent (i.e., magnitude or severity) of each hazard addressed in the plan?
- C. Does the plan provide information on previous occurrences of each natural hazard addressed in the plan?
- D. Does the plan include the probability of future events (i.e., chance of occurrence) for each hazard addressed in the plan?

**Matrix B: Assessing Vulnerability**

This matrix can assist FEMA and the State in scoring each hazard. Local jurisdictions may find the matrix useful to ensure that their plan addresses each requirement. **Completing the matrix is not required.**

*Note: First, check which hazards are identified in requirement §201.6(c)(2)(i). Then, place a checkmark in either the N or S box for each **applicable** hazard. An “N” for any element of any identified hazard will result in a “Needs Improvement” score for this requirement. List the hazard and its related shortcoming in the comments section of the Plan Review Crosswalk.*

*Note: Receiving an N in the shaded columns will not preclude the plan from passing.*

To check boxes, double click on the box and change the default value to “checked.”

Hazard Type	Hazards Identified Per Requirement §201.6(c)(2)(i)	A. Overall Summary Description of Vulnerability	B. Hazard Impact	A. Types and Number of Existing Structures in Hazard Area (Estimate)	B. Types and Number of Future Structures in Hazard Area (Estimate)	A. Loss Estimate	B. Methodology
	Yes						
Avalanche	<input type="checkbox"/>	§201.6(c)(2)(ii) Assessing Vulnerability: Overview	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coastal Erosion	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coastal Storm	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dam Failure	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Drought	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Earthquake	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Expansive Soils	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Extreme Heat	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flood	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hailstorm	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hurricane	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Land Subsidence	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Landslide	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Severe Winter Storm	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tornado	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tsunami	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Volcano	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wildfire	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Windstorm	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other _____	<input type="checkbox"/>		§201.6(c)(2)(ii) Assessing Vulnerability: Identifying Structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other _____	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other _____	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		§201.6(c)(2)(ii) Assessing Vulnerability: Estimating Potential Losses					

**Legend:**

§201.6(c)(2)(ii) Assessing Vulnerability: Overview

- A. Does the plan include an overall summary description of the jurisdiction's vulnerability to each hazard?
- B. Does the plan address the impact of each hazard on the jurisdiction?

§201.6(c)(2)(ii)(A) Assessing Vulnerability: Identifying Structures

- A. Does the plan describe vulnerability in terms of the types and numbers of existing buildings, infrastructure, and critical facilities located in the identified hazard areas?

- B. Does the plan describe vulnerability in terms of the types and numbers of future buildings, infrastructure, and critical facilities located in the identified hazard areas?

§201.6(c)(2)(ii)(B) Assessing Vulnerability: Estimating Potential Losses

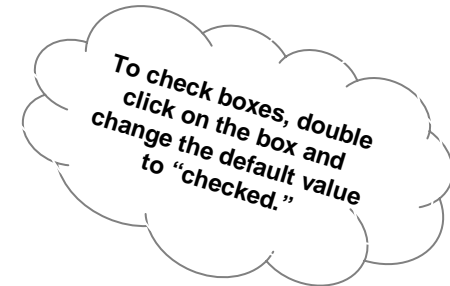
- A. Does the plan estimate potential dollar losses to vulnerable structures?
- B. Does the plan describe the methodology used to prepare the estimate?

**Matrix C: Identification and Analysis of Mitigation Actions**

This matrix can assist FEMA and the State in scoring each hazard. Local jurisdictions may find the matrix useful to ensure consideration of a range of actions for each hazard. **Completing the matrix is not required.**

*Note: First, check which hazards are identified in requirement §201.6(c)(2)(i). Then, place a checkmark in either the N or S box for each **applicable** hazard. An “N” for any identified hazard will result in a “Needs Improvement” score for this requirement. List the hazard and its related shortcoming in the comments section of the Plan Review Crosswalk.*

Hazard Type	Hazards Identified Per Requirement §201.6(c)(2)(i)	A. Comprehensive Range of Actions and Projects	
		N	S
Avalanche	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coastal Erosion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coastal Storm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dam Failure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Drought	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Earthquake	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Expansive Soils	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Extreme Heat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flood	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hailstorm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hurricane	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Land Subsidence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Landslide	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Severe Winter Storm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tornado	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tsunami	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Volcano	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wildfire	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Windstorm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Legend:**

§201.6(c)(3)(ii) Identification and Analysis of Mitigation Actions

A. Does the plan identify and analyze a comprehensive range of specific mitigation actions and projects for each hazard?